

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024587**Date Inspected:** 14-Jun-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Lu Hua Jie**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Orthotropic Box Girder (OBG)**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Shailesh Gaikwad was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Chang xing Island in Shanghai, China. QA observed and/or found the following:

OBG Trial Assembly

Segment:14 East

The following Non Destructive Testing (NDT) Inspection was carried out as per the ZPMC submitted Notification No- 09473 and 09480

Magnetic Particle Testing (MT)

This QA randomly witnessed and performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA generated a MT report for this date. The members are identified as OBG weld Components. Total number of welds MT tested: (07).The weld designation inspected was as follows:

SEG3019AW-148

SEG3019AW-143

SEG3019AW-133

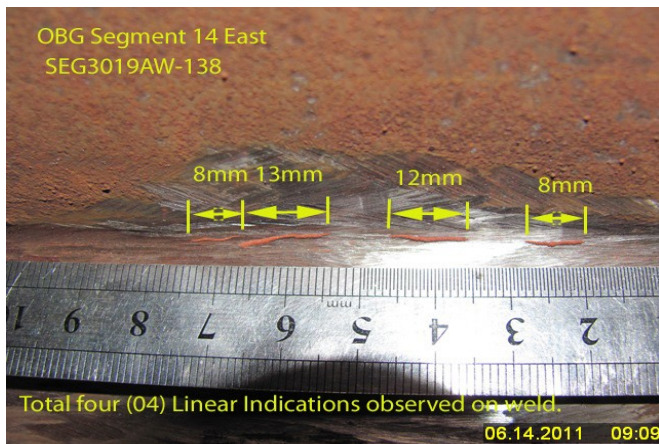
WELDING INSPECTION REPORT

(Continued Page 2 of 2)

SEG3019AW-128
SEG3019AW-123
SEG3019AW-118

During random witness of weld joints is identified as SEG3019AW-138 and, this QA observed linear cracks on the welds at four locations. This QA along with ZPMC QC MT Technicians marked the affected areas and informed ZPMC Quality Control (QC) CWI identified as Mr. Zhu Yuan Yuan of this issue. Mr. Zhu Yuan Yuan informed this QA that the cracks would be corrected in a manner compliant with the contract documents. This QA Inspector also informed to Lead QA Inspector of the issue. See attached photos for further details.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.



Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang: 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Gaikwad,Shailesh	Quality Assurance Inspector
Reviewed By:	Patterson,Rodney	QA Reviewer
